

WHAT IS CLAIMED IS:

1. A coated glass fiber for reinforcing a rubber, comprising:
 - (i) a glass fiber;
 - (ii) a first coating layer covering the glass fiber, the first coating layer
5 being prepared by a first process comprising the steps of:
 - (a) dispersing a resorcinol-formaldehyde resin and a rubber latex in water to prepare a first coating solution;
 - (b) applying the first coating solution to the glass fiber to form a first precursory layer; and
10 (c) drying the first precursory layer into the first coating layer; and
 - (iii) a second coating layer covering the first coating layer, the second coating layer being prepared by a second process comprising the steps of:
 - (d) dispersing bisallylnadiimide, a rubber elastomer, a vulcanizing agent, and an inorganic filler in an organic solvent to prepare a second coating
15 solution;
 - (e) applying the second coating solution to the first coating layer to form a second precursory layer; and
 - (f) drying the second precursory layer into the second coating layer.
- 20 2. A coated glass fiber according to claim 1, wherein the second coating solution of the step (d) comprises, based on a total weight of the rubber elastomer, 0.3-10.0wt% of the bisallylnadiimide, 0.5-50.0wt% of the vulcanizing agent, and 10.0-70.0wt% of the inorganic filler.
- 25 3. A coated glass fiber according to claim 1, wherein the bisallylnadiimide of the second coating solution is at least one selected from the group consisting of N-N'-hexamethylenediallylnadiimide, N-N'-(m-xylylene)diallylnadiimide, and N-N'-(4,4'-diphenylmethane)diallylnadiimide.
- 30 4. A coated glass fiber according to claim 1, wherein the rubber elastomer of the second coating solution is a chlorosulfonated polyethylene.

5. A coated glass fiber according to claim 1, wherein the inorganic filler of the second coating solution is carbon black.

5 6. A coated glass fiber according to claim 1, wherein the vulcanizing agent is at least one selected from the group consisting of nitroso compounds and zinc compounds.

7. A coating solution for covering a glass fiber, which is prepared by a
10 process comprising the step of dispersing bisallylnadiimide, a rubber elastomer, a vulcanizing agent, an inorganic filler in an organic solvent.

8. A method for producing a coated glass fiber that reinforces a rubber, the coated glass fiber comprising (i) a glass fiber; (ii) a first coating layer
15 covering the glass fiber; and (iii) a second coating layer covering the first coating layer, the method comprising the steps of:

(a) dispersing a resorcinol-formaldehyde resin and a rubber latex in water to prepare a first coating solution;

(b) applying the first coating solution to the glass fiber to form a first
20 precursory layer;

(c) drying the first precursory layer into the first coating layer;

(d) dispersing bisallylnadiimide, a rubber elastomer, a vulcanizing agent, and an inorganic filler in an organic solvent to prepare a second coating solution;

25 (e) applying the second coating solution to the first coating layer to form a second precursory layer; and

(f) drying the second precursory layer into the second coating layer.

9. A method according to claim 8, wherein the second coating solution of
30 the step (d) comprises, based on a total weight of the rubber elastomer, 0.3-10.0wt% of the bisallylnadiimide, 0.5-50.0wt% of the vulcanizing agent,

and 10.0-70.0wt% of the inorganic filler.

10. A method according to claim 8, wherein the bisallylnadiimide of the second coating solution is at least one selected from the group consisting of
- 5 N-N'-hexamethylenediallylnadiimide, N-N'-(m-xylylene)diallylnadiimide, and N-N'-(4,4'-diphenylmethane)diallylnadiimide.
11. A method according to claim 8, wherein the rubber elastomer of the second coating solution is a chlorosulfonated polyethylene.
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12. A method according to claim 8, wherein the inorganic filler of the second coating solution is carbon black.
13. A method according to claim 8, wherein the vulcanizing agent is at
- 15 least one selected from the group consisting of nitroso compounds and zinc compounds.